

Slip ASAP

Work Order ID 161370

161370

Monday, May 15, 2017 8:02:15 AM

Item ID: 647.7301

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: EC135 T1/P1 Cable Cutters System

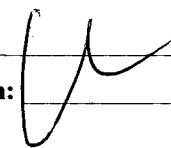
Start Date: 5/15/2017 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 5/18/2017 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan:  Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
647.7300	C								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 647.7301								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

LOZ - E LAM

DAS
6
9-89

MAY 15 2017

DAS
27
9-89

JUN 23 2017

JUN 22 2017

DAS
28
9-89

DAS
27
9-89

JUN 23 2017

Monday, May 15, 2017 8:02:15 AM

161370

Page 2

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 5/15/2017 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 5/18/2017 **Req'd Qty:** 1.00 ***1***

Customer:

Reference:

Run Start *NR1*

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop *NR2*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130	Identify as per dwg & Stock Location:	0.00
-----	---------------------------------------	------

130

Packaging

Packaging

Packaging

Memo

Identify and pack for shipping as per PPP 647.7301
Location : FG109

0.00

0.00

0.00

0.00

DAS 23
9-89

DAS 27
9-89

JUN 23 2017

DAS
16
9-89

17/04/23
Q221

JUN 23 2017

Picklist Print

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Monday, May 15, 2017 8:02:13 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.05 NEW ISSUE DD VERF:JLM
REV:B 16.04.26 sa per dwg revB DD VERF:JLM
16.11.15 dwg rev.c DD VERF:JLM

IPP
IPP REV:C

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

600.0990		Purchased	No			110	Each	17.0000	1	1			
600 0990													
Magnabond 6398 Part A Size 112 ml													
DAS 28 9-89													

Location	Loc Qty	Loc Code
PKG	17	
M136586	1	
M136862	3	
M137073	12	
M134249	1	

600.0991		Purchased	No			110	Each	17.0000	1	1			
600 0991													
Magnabond 6398 Part B Size 112 ml													
DAS 28 9-89													

Location	Loc Qty	Loc Code
PKG	17	
m136586	2	
m136862	3	
m137073	12	

600.1012		Purchased	No			110	Each	24.0000	1	1			
600 1012													
Sealant PR1425B2 (#654 sem)													
DAS 28 9-89													

Location	Loc Qty	Loc Code
cck017	24	
m136838	1	
m1370073	1	
m137321	8	
m137371	14	

DAS 6
 9-89 JUN 02 2017

Picklist Print

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Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

601.2045 Purchased No

110 Each 9.0000 1 1

601 2045

RTV (LOCTITE 598) McMaster p/n: 6641A41

**

DAS
6
9-89

DAS
28
9-89

JUN 02 2017

DAS
27
9-89

04/2019

Location

Loc Qty

Loc Code

CCK096

1

m136902

1

GA

8

m134260

8

137378

601.2375 Manufactured No

110 Each 24.0000 3 3

601 2375

Washer

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK096

24

91708

24

601.2999 Manufactured No

110 Each 25.0000 3 3

601 2999

Screw

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK098

25

93369

25

601.3004 Purchased No

110 Each 4.0000 2 2

601 3004

Camloc Stud - 26S8-11

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK098

4

M130388

4

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Picklist Print

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Page 3

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

601.3005 Manufactured No

110 Each

16.0000

2 2

DAS

JUN 02 2017

601 3005

Camloc Retainer - 2600-LW

DAS
27
9-89

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK098

16

158642

16

601.3006

Purchased No

110 Each

4.0000

2 2

DAS

JUN 02 2017

601 3006

Camloc Receptacle - 26R 16-1

DAS
27
9-89

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK098

4

M130388

4

601.3011

Manufactured No

110 f

43.1000

1.4 1.4

DAS

JUN 02 2017

601 3011

P-Seal

DAS
38
9-89

DAS
27
9-89

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK095

43

91709

43

CCK099

0.1

M130388

0.1

CUT AT 16.00"

647.0112

Manufactured No

110 Each

51.0000

4 4

DAS

JUN 02 2017

647 0112

Strut Bracket

DAS
27
9-89

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK106

51

159844

51

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Work Order ID: 161370

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Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

647.1601
647 1601
Wiper Deflector Aft

Manufactured No

110 Each

1.0000

1 1

**

DAS

6

9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK091

1

155569

1

647.1602
647 1602
Doubler Assembly

Manufactured No

110 Each

15.0000

1 1

**

DAS

6

9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK107

15

M130388

15

647.1610
647 1610
Wiper Deflector Fwd

Manufactured No

110 Each

5.0000

1 1

**

DAS

6

9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK091

5

125082

5

647.1701
647 1701
Skid Deflector Assembly

Manufactured No

110 Each

0.0000

2 2

**

2x 161778

DAS
28
9-89

DAS
27
9-89

647.1810
647 1810
Nose Door Doubler

Manufactured No

110 Each

15.0000

1 1

**

DAS

6

9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK108

15

92070

1

M130388

14

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Page 5

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Work Order ID: 161370

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Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

647.1811 Manufactured No

110 Each 37.0000

647 1811

Spacer

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK108

37

92072

3

M130388

34

647.1812 Manufactured No

110 Each 236.0000

647 1812

Shim

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK107

236

92073

38

M130388

198

647.1814 Manufactured No

110 Each 28.0000

647 1814

Gusset LH

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

cck122A

28

92075

4

M130388

24

647.1815 Manufactured No

110 Each 26.0000

647 1815

Gusset RH

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK110

2

92076

2

cck122A

24

M130388

24

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Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

647.1818 Manufactured No

110 Each

25.0000

1

647 1818

Nose Door Spacer

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK110

25

92079

1

M130388

24

**

DAS

6

9-89

JUN 02 2017

DAS

28

9-89

647.1913 Manufactured No

110 Each

13.0000

1

647 1913

Tee

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK093

13

114126

3

92229

10

**

DAS

6

9-89

JUN 02 2017

DAS

28

9-89

647.1914 Manufactured No

110 Each

1.0000

1

647 1914

Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK110

1

153314

1

**

DAS

6

9-89

JUN 02 2017

DAS

28

9-89

647.1915 Manufactured No

110 Each

22.0000

1

647 1915

Support Angle

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK093

22

114127

6

92230

4

M130388

12

**

DAS

6

9-89

JUN 02 2017

DAS

28

9-89

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Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

647.2510 Manufactured No

110 Each 95.0000 4 4

647 2510

Sleeve

**

DAS JUN 02 2017

DAS 28 9-89

Location	Loc Qty	Loc Code
cck111	30	
M130388	30	
cck122A	60	
125082	60	
Q	5	
125082	3	
92233	2	

DAS 27 9-89

647.2511 Manufactured No

110 Each 31.0000 4 4

647 2511

Nut

**

DAS JUN 02 2017

DAS 28 9-89

Location	Loc Qty	Loc Code
cck111	31	
159807	31	

DAS 27 9-89

647.3201 Manufactured No

110 Each 0.0000 1 1

647 3201

Grounding Cable Assembly

**

DAS JUN 02 2017

DAS 28 9-89

647.7401 Manufactured No

110 Each 0.0000 1 1

647 7401

Upper Cutter Assembly

**

DAS JUN 02 2017

DAS 28 9-89

647.7501 Manufactured No

110 Each 0.0000 1 1

647 7501

Lower Cutter Assembly

**

DAS JUN 02 2017

DAS 28 9-89

647.7701 Manufactured No

110 Each 0.0000 2 2

647 7701

Strut Assembly

**

DAS JUN 14 2017

DAS 28 9-89

Monday, May 15, 2017 8:02:13 AM

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DAS 27 9-89

Picklist Print

Monday, May 15, 2017 8:02:13 AM

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Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

647.7702

Manufactured No

110

Each

2.0000

2

2

647 7702

Strut Assembly

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK076

2

154420

2

647.7818

Manufactured No

110

Each

12.0000

1

1

647 7818

Mounting Channel

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK067

12

120939

5

123161

7

647.7819

Manufactured No

110

Each

5.0000

1

1

647 7819

Cross Bracket Fwd

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK115

5

M130388

5

647.7820

Manufactured No

110

Each

4.0000

1

1

647 7820

Cross Bracket Aft

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck066

4

132172

4

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Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

647.7821 Manufactured No

110 Each 7.0000 1 1

647 7821

Eye Bolt Fitting LH

**

DAS

6

9-89

JUN 02 2017

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK115

1

121378

1

CCK121

6

130388

6

647.7822 Manufactured No

110 Each 6.0000 1 1

647 7822

Eye Bolt Fitting RH

**

DAS

6

9-89

JUN 02 2017

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK115

6

M130388

6

647.7910 Manufactured No

110 Each 0.0000 2 2

647 7910

Angle Bracket

**

JUN 05 2017

DAS

27

9-89

647.7911 Manufactured No

110 Each 5.0000 2 2

647 7911

Bracket

**

DAS

6

9-89

JUN 02 2017

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK115

5

M130388

5

647.7912 Manufactured No

110 Each 17.0000 4 4

647 7912

Clip

**

DAS

6

9-89

JUN 02 2017

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK115

17

157794

17

DAS

27

9-89

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Picklist Print

Page 10

Monday, May 15, 2017 8:02:14 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

647.7913	Manufactured	No	110	Each	0.0000	2	2	**	2x 159894.80	DAS 28 9-89
647 7913										
Doubler										
647.7914	Manufactured	No	110	Each	0.0000	1	1	**	1x B 159893.50	DAS 28 9-89
647 7914										
Bracket										
647.7915	Manufactured	No	110	Each	9.0000	1	1	**		DAS 28 9-89
647 7915										
Bracket										
									DAS 6 9-89	DAS 28 9-89
									JUN 02 2017	
647.7916	Manufactured	No	110	Each	16.0000	2	2	**		DAS 28 9-89
647 7916										
Bracket										
									DAS 6 9-89	DAS 28 9-89
									JUN 02 2017	
647.7917	Manufactured	No	110	Each	13.0000	1	1	**		DAS 28 9-89
647 7917										
Bracket										
									DAS 6 9-89	DAS 28 9-89
									JUN 02 2017	
647.7918	Manufactured	No	110	Each	11.0000	1	1	**		DAS 28 9-89
647 7918										
Bracket										
									DAS 6 9-89	DAS 28 9-89
									JUN 02 2017	

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Picklist Print

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Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

647.7919
647 7919
Shim

DAS
27
9-89

Manufactured No

110 Each

6.0000

1 1

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

cck116

6

157799

6

647.8510
647 8510
Insert

DAS
27
9-89

Manufactured No

110 Each

4.0000

18 18

** 12 x B161387

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

cck116

4

158923

4

647.8511
647 8511
Insert

DAS
27
9-89

Manufactured No

110 Each

13.0000

4 4

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

cck116

13

158626

13

647.8512
647 8512
Insert

DAS
27
9-89

Manufactured No

110 Each

10.0000

4 4

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

cck116

10

159419

10

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Shop Packet Print

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Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No

110 Each 280.0000 4 4

AN3-11A

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

100

m136192

100

ST349

180

153855

180

**

DAS

6
9-89

JUN 02 2017

DAS
28
9-89

AN316C4R Purchased No

110 Each 17.0000 4 4

AN316C4R

Nut, Jam

DAS
27
9-89

Location

Loc Qty

Loc Code

ST331

17

153850

17

**

DAS

6
9-89

JUN 02 2017

DAS
28
9-89

AN3-4A Purchased No

110 Each 39.0000 2 2

AN3-4A

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

ST350

39

m136579

39

**

DAS

6
9-89

JUN 02 2017

DAS
28
9-89

AN44-12A Purchased No

110 Each 3.0000 2 2

AN44-12A

Eyebolt

DAS
27
9-89

Location

Loc Qty

Loc Code

ST339

3

m137280

3

**

DAS

6
9-89

JUN 02 2017

DAS
28
9-89

Picklist Print

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Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

AN44-5A Purchased No

110 Each 15.0000 2 2

AN44-5A

Eyebolt

DAS
27
9-89

Location

Loc Qty

Loc Code

ST339

15

m136866

3

m137075

12

110 Each 103.0000 4 4

AN4C7A Purchased No

AN4C7A

BOLT

DAS
27
9-89

Location

Loc Qty

Loc Code

OVER002

75

m137361

75

ST345

28

m136295

28

110 Each 31.0000 1 1

AN4CH6A Purchased No

AN4CH6A

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

ST345

31

123525

11

m126176

20

110 Each 14.0000 4 4

AN665-34R Purchased No

AN665-34R

Clevis

DAS
27
9-89

Location

Loc Qty

Loc Code

ST330

14

m137361

14

Picklist Print

Monday, May 15, 2017 8:02:14 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

CCR264SS-3-03

Purchased

No

110

Each

209.0000

24

24

CCR264SS-3-03

Cherry Rivet

**

JUN 02 2017

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

14

m137164

14

LG001

13

m134023

13

ST321

182

m137164

182

CCR274SS-3-03

Purchased

No

110

Each

65.0000

4

4

CCR274SS-3-03

Rivet

**

JUN 02 2017

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST321

65

123785

65

CR3212-5-6

Purchased

No

110

Each

100.0000

2

2

CR3212-5-6

Cherry Rivet

**

JUN 02 2017

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

124259

100

CR3213-4-2

Purchased

No

110

Each

174.0000

4

4

CR3213-4-2

Cherry Rivet

**

JUN 02 2017

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

m137412

100

ST320

74

m136986

74

Monday, May 15, 2017 8:02:14 AM

Shop Packet Print

Picklist Print

Page 15

Monday, May 15, 2017 8:02:14 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-3 Purchased No

110 Each 320.0000 24 24

CR3213-4-3

Rivet, Cherry

**

DAS JUN 02 2017

DAS

6
9-89

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

228

m136851

228

GA

92

m136042

92

24

JUN 02 2017

DAS

CR3213-4-4 Purchased No

110 Each 361.0000 16 16

CR3213-4-4

Rivet, Cherry

**

DAS

DAS

6
9-89

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

200

m137391

200

ST319

161

m136301

161

04 137166X2

76 4

DAS

DAS

6
9-89

28
9-89

JUN 02 2017

CR3213-4-5 Purchased No

110 Each 285.0000 8 8

CR3213-4-5

Rivet

**

DAS

DAS

6
9-89

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

200

M137459

200

ST319

85

M129913

3

M137361

82

07 137544

8

Monday, May 15, 2017 8:02:14 AM

Shop Packet Print

Page 15

Picklist Print

Monday, May 15, 2017 8:02:14 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-6 Purchased No

110 Each

208.0000

17 17

DAS

CR3213-4-6

Rivet

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

M136199

100

ST319

108

M131800

8

M135978

100

CR3213-5-3 Purchased No

110 Each

216.0000

16 16

DAS

CR3213-5-3

Cherry Rivet

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

m137391

100

ST319

116

m136851

16

m137320

100

CR3213-5-4 Purchased No

110 Each

105.0000

12 12

DAS

CR3213-5-4

Cherry Rivet

**

DAS
6
9-89

JUN 02 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST319

93

123785

1

m128199

92

WA003

12

117543

12

Picklist Print

Monday, May 15, 2017 8:02:14 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042-08 MS21042L08 Purchased No

110 Each 0.0000

MS21042-08

USE MS21042L08

MS21042-3 MS21042L3 Purchased No

110 Each 0.0000

MS21042-3

Nut

MS21042L4 MS21042L4 Purchased No

110 Each 2,792.000

MS21042L4

Nut

Location

Loc Qty

Loc Code

FP001

10

m133363

10

GA

148

m135058

148

OVER007

1400

m137371

1000

m137402

400

ST303

1234

m137321

1234

MS21042L5 Purchased No

110 Each 195.0000

MS21042L5

Nut

Location

Loc Qty

Loc Code

GA

16

m127813

16

ST303

179

m137075

29

m137361

150

7 7
** 137391 DAS 6 JUN 02 2017 28
34 34
** 137495 DAS 6 JUN 02 2017 28
8 8
** DAS 6 JUN 02 2017 28

DAS
27
9-89

DAS
27
9-89

Picklist Print

Monday, May 15, 2017 8:02:14 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

MS21047-3	Purchased	No	110	Each	235.0000	12	12	DAS 6	JUN 02 2017	DAS 28
MS21047-3								9-89		9-89
Nut Plate										

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST301	235	
m137075	85	
m137459	150	

12

MS21266-2N	Purchased	No	110	Each	36.0000	1	1	DAS 6	JUN 02 2017	DAS 28
MS21266-2N								9-89		9-89
Grommet										

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST294	36	
123900	36	

1

MS24694-S54	Purchased	No	110	Each	74.0000	6	6	DAS 6	JUN 02 2017	DAS 28
MS24694-S54								9-89		9-89
SCREW										

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST284	74	
153846	74	

6

MS27039-08-07	Purchased	No	110	Each	91.0000	1	1	DAS 6	JUN 02 2017	DAS 28
MS27039-08-07								9-89		9-89
SCREW										

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST278	91	
m132035	91	

1

Picklist Print

Monday, May 15, 2017 8:02:15 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-13

Purchased

No

110

Each

306.0000

4

4

MS27039-08-13

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

306

153849

306

MS27039-08-16

Purchased

No

110

Each

71.0000

2

2

MS27039-08-16

SCREW PAN HD

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

48

112466

48

ST278

23

M130388

23

MS27039-1-07

Purchased

No

110

Each

62.0000

3

3

MS27039-1-07

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

48

m137320

48

ST281

14

m135948

14

MS27039-1-09

Purchased

No

110

Each

67.0000

12

12

MS27039-1-09

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

17

18057

17

GA

50

124859

50

**

JUN 02 2017

DAS
28
9-89
6
9-89

**

JUN 02 2017

DAS
28
9-89
6
9-89

**

JUN 02 2017

DAS
28
9-89
6
9-89

**

JUN 02 2017

DAS
28
9-89
6
9-89

Picklist Print

Monday, May 15, 2017 8:02:15 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-10

Purchased

No

110

Each

281.0000

6

6

MS27039-1-10
SCREW

**

JUN 02 2017

DAS

6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

15

m129541

15

ST280

266

m137164

266

MS27039-1-12

Purchased

No

110

Each

78.0000

2

2

MS27039-1-12
Screw

**

JUN 02 2017

DAS

6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST280

78

m136537

28

m137320

50

MS27039-1-14

Purchased

No

110

Each

628.0000

4

4

MS27039-1-14
Screw

**

JUN 02 2017

DAS

6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

90

120449

90

over006

300

124326

300

ST280

238

124326

238

Picklist Print

Page 22

Monday, May 15, 2017 8:02:15 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-15

Purchased

No

110

Each

129.0000

1

1

MS27039-1-15

Screw

**

JUN 02 2017

DAS 27 9-89
DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

GA

65

m127916

1

m136554

64

ST280

64

m136406

64

MS27039-1-16

Purchased

No

110

Each

149.0000

4

4

MS27039-1-16

Screw

**

JUN 02 2017

D/ DAS 27 9-89
DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

over006

50

m137061

50

ST280

99

m137320

99

MS27039-1-17

Purchased

No

110

Each

148.0000

2

2

MS27039-1-17

Screw (601.1954)

**

JUN 02 2017

DAS 27 9-89
DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST280

148

m127831

148

Picklist Print

Page 23

Monday, May 15, 2017 8:02:15 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149C0432R

Purchased

No

110

Each

1,776.000

8

8

NAS1149C0432R

WASHER

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

357

m134676

357

ST260a

1000

m137459

1000

ST266

419

m136986

419

NAS1149F0332P

Purchased

No

110

Each

2,689.000

86

86

NAS1149F0332P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

275

m133709

275

ST260a

1800

m137412

1800

ST262

614

m137075

614

NAS1149F0463P

Purchased

No

110

Each

361.0000

8

8

NAS1149F0463P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

ST262

361

m127832

361

JUN 02 2017

DAS
6
9-89

DAS
28
9-89

JUN 02 2017

DAS
6
9-89

DAS
28
9-89

JUN 02 2017

DAS
6
9-89

DAS
28
9-89

Monday, May 15, 2017 8:02:15 AM

Shop Packet Print

Page 23

Picklist Print

Page 24

Monday, May 15, 2017 8:02:15 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0532P

Purchased

No

110

Each

1,597.000

4

4

NAS1149F0532P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

ST260a

600

m133725

600

ST262

997

18057

997

110

Each

2,058.000

14

14

NAS1149FN832P

Purchased

No

NAS1149FN832P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

358

M135058

208

M136182

40

M136866

110

ST263

1700

M137412

1700

110

Each

111.0000

4

4

NAS6603-12

Purchased

No

NAS6603-12

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

st552

111

123900

76

m136301

35

JUN 02 2017

DAS
28
9-89

JUN 02 2017

DAS
28
9-89

JUN 02 2017

DAS
28
9-89

Picklist Print

Monday, May 15, 2017 8:02:15 AM

Work Order ID: 161370

161370

Parent Item: 647.7301

647 7301

Parent Item Name: EC135 T1/P1 Cable Cutters System

Start Date: 5/15/2017

Required Date: 5/18/2017

Start Qty: 1.00

Required Qty: 1.00

NAS6603-16

Purchased

No

110

Each

56.0000

4 4

NAS6603-16

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

st552

56

153860

6

m133523

50

DAS
6
JUN 02 2017 9-89

DAS
28
9-89

NAS6604-66

Purchased

No

110

Each

54.0000

4 4

NAS6604-66

Bolt

DA
27
9-89

Location

Loc Qty

Loc Code

ST553

54

124328

12

M130388

42

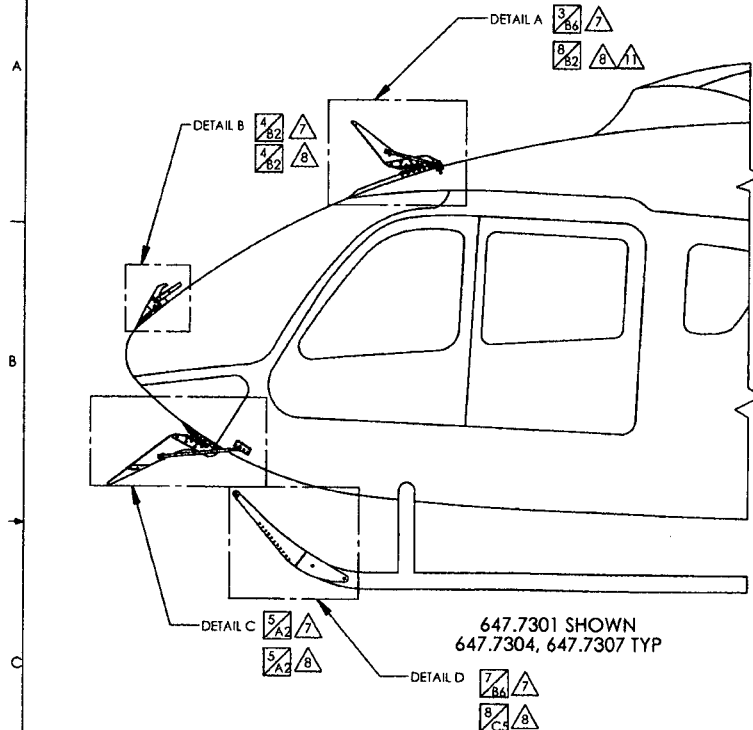
JUN 02 2017

DAS
6
9-89

DAS
28
9-89

REFERENCE ONLY

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1		111	647.1405	CUTTER ASSY (UPPER)		
2	2	110	601.3902	EYE BOLT		
2	2	109	601.2910	SCREW	MS27039-1-18	
4	4	108	601.3963	BOLT	93635-A212	
8	8	107	601.3654	BOLT	LN9037-08D16	
8	8	106	601.3655	LOCK WASHER	LN9025-08D0K	
2	2	105	647.1702	SKID DEFLECTOR ASSY		
8	8	104	601.3214	CHERRY RIVET	CR3523-5-3	
24	24	103	601.3213	CHERRY RIVET	CR3523-4-4	
4	4	102	601.3212	CHERRY RIVET	CR3523-4-3	
5	5	101	601.1541	LOCKNUT	MS21042L08	
5	5	100	601.2765	SCREW	MS27039-0819	
1	1	98	647.2114	UPPER U CHANNEL		
1	1	97	647.7823	CROSS BRACKET AFT		
1	1	96	647.5701	GPS MOUNT KIT		
7307	7304	7301	FIND #	PART #	DESCRIPTION	SPEC

		28	95	601.1097	WASHER	NAS1149FO463P	
		94	647.7919	SHIM			
A/R	A/R	A/R	93	600.0990	MAGNOBOND 6398 PART A		
A/R	A/R	A/R	92	600.0991	MAGNOBOND 6398 PART B		
A/R	A/R	A/R	91	601.2045	RTV	LOCTITE 388	
A/R	A/R	A/R	90	600.1012	SEALANT	PR-1225 CLASB	
3	3	89	601.2375	WASHER			
4	4	88	601.3126	WASHER	NAS1149FO532P		
12	12	87	601.3643	WASHER	NAS1149FO432R		
89	89	86	601.1607	WASHER	NAS1149FO332P		
25	25	85	601.2764	WASHER	NAS1149FO832P		
2	2	84	601.3136	CHERRY RIVET	CR3212-5-6		
8	8	83	601.3215	CHERRY RIVET	CR3522-5-3		
8	8	82	601.3216	CHERRY RIVET	CR3522-4-3		
12	12	81	601.2481	CHERRY RIVET	CR3213-5-4		
16	16	80	601.2020	CHERRY RIVET	CR3213-5-3		
17	17	79	601.2991	CHERRY RIVET	CR3213-4-6		
8	8	78	601.1183	CHERRY RIVET	CR3213-4-5		
16	16	77	601.1915	CHERRY RIVET	CR3213-4-4		
24	24	76	601.0790	CHERRY RIVET	CR3213-4-3		
4	4	75	601.1604	CHERRY RIVET	CR3213-4-2		
4	4	74	601.1983	NUTPLATE RIVET	CCR2455-3-03		
24	24	73	601.2207	NUTPLATE RIVET	CCR2455-3-03		
3	3	72	601.2999	SCREW			
5	5	71	601.2829	SCREW	MS2469-4554		
2	2	70	601.1954	SCREW	MS27039-1-17		
4	4	69	601.2637	SCREW	MS27039-1-16		
1	1	68	601.3012	SCREW	MS27039-1-15		
4	4	67	601.1622	SCREW	MS27039-1-14		
2	2	66	601.1953	SCREW	MS27039-1-12		
6	6	65	601.1365	SCREW	MS27039-1-10		
12	12	64	601.3069	SCREW	MS27039-1-09		
3	3	63	601.2198	SCREW	MS27039-1-07		
		62	601.3137	SCREW	MS27039-0816		
4	4	61	601.2988	SCREW	MS27039-0813		
1	1	60	601.2525	SCREW	MS27039-0807		
4	4	59	601.3127	LOCKNUT	MS21042L5		
2	2	58	647.8512	INSERT			
4	4	57	647.8511	INSERT			
20	20	56	647.8510	INSERT			
4	4	55	601.3128	NUT	AN316C4R		
4	4	54	601.3209	LOCKNUT	MS21042L4		
35	35	53	601.2943	LOCKNUT	MS21042-3		
5	5	52	601.2973	LOCKNUT	MS21042-08		
		51	601.3002	BOLT	NAS6604-66		
7307	7304	7301	FIND #	PART #	DESCRIPTION	MAT'L	SPEC

ORIGINAL DATE
11/24/09
DRAWN BY
A. QUAN
CHECKED
D. BARRETT
DRAWING APPROVAL
P. BARRETT
11/13/10
CONTRACT NO.

DART
AEROSPACE
APICAL INDUSTRIES INC.
DBA DART AEROSPACE
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760) 724-5300
EC135 CABLE CUTTERS KIT
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
3 PLACE DECIMALS ±.01
ANGLES ±.5°
SITE CAGE CODE DWG. NO.
B 07M26 647.7300
SCALE NONE SHEET 2 OF 8

REFERENCE ONLY

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NOTES: UNLESS OTHERWISE SPECIFIED

1 AFTER INSTALLATION, APPLY F/N 90 A/R TO FILL GAPS AND FILLET EDGES.

2 APPLY F/N 91 TO FAYING SURFACES.

3 DELETED.

4 MATCH DRILL HOLES THROUGH F/N 26 or F/N 98 AND FUSELAGE.

5 SHIM GAP BETWEEN F/N 1 & 26 AS NEEDED.

6 AT CUSTOMERS OPTION, INSTALL F/N 96 BY MATCH DRILLING ONTO F/N 1 FOR KIT P/N 647.7301 or F/N 99 FOR KIT P/N 647.7304.

7 647.7301 INSTALLATION FOR EC135.

8 647.7304 INSTALLATION FOR EC135 T2/P2.

9 EXCEPT WHERE NOTED, INSTALLATION FOR 647.7304 AND 647.7307 SAME AS 647.7301.

10 CUT LENGTH: 16 INCHES.

11 INSTALLATION FOR 647.7307 AND 647.7304 ARE IDENTICAL EXCEPT 647.1405 (F/N 111) REPLACES 647.1404 (F/N 99).

12 DETAIL W REFLECTS THE UNIQUE 647.1405 ASSEMBLY (F/N 111) USED ON 647.7307 THAT REPLACES 647.1404 (F/N 99) ON 647.7304.

13 ADDITIONAL KITS FOR SUB-ASSEMBLIES OF THE 647.7301, 647.7304, AND 647.7307 ASSEMBLIES ARE DEFINED BY MPP-195

4	4	4	50	601.3130	BOLT	NAS6603-16	
4	4	4	49	601.1500	BOLT	NAS6603-12	
4	4	4	48	601.2669	BOLT	AN4C7A	
1	1	1	47	601.1324	BOLT	AN4C8A	
4	4	4	46	601.2826	BOLT	AN3-11A	
2	2	2	45	601.2823	BOLT	AN3-4A	
12	12	12	44	600.0795	NUTPLATE	MS21047-3	
2	2	2	43	601.3004	CAMLOC STUD		
2	2	2	42	601.3005	CAMLOC RETAINER		
2	2	2	41	601.3006	CAMLOC RECEPTACLE		
4	4	4	40	601.3119	CLEVIS	AN665-34R	
2	2	2	39	601.3120	EYE BOLT	AN44-12A	
			38	601.3121	EYE BOLT	AN44-5A	
1	1	1	37	601.3007	GROMMET	MS21266-2N	
A/R	A/R	A/R	36	601.3011	P-SEAL		
1	1	1	35	647.3201	GROUNDING CABLE ASSY		
			34	647.2511	NUT		
			33	647.2510	SLEEVE		
13	13	13	32	647.1812	SHIM		
2	2	2	31	647.1811	SPACER		
1	1	1	30	647.1602	DOUBLER ASSY		
1	1	1	29	647.1914	BRACKET		
1	1	1	28	647.7822	EYE BOLT FITTING RH		
1	1	1	27	647.7821	EYE BOLT FITTING LH		
			26	647.7818	MOUNTING CHANNEL		
7307	7304	7301	FIND #	PART #	DESCRIPTION	MATL	SPEC

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: P04		N/C
N/C	INITIAL RELEASE	01/13/09	P. BRAVO
A	INCORPORATED ECNS 07430, 03000, 03044, 03066	02/16/11	P. BRAVO
B	INCORPORATED ECN 05523	05/09/16	P. BRAVO
C	INCORPORATED ECN 05550, 05465	11/01/16	P. BRAVO

			25	647.7820	CROSS BRACKET AFT		
1	1	1	24	647.7819	CROSS BRACKET FWD		
1	1	1	23	647.7918	BRACKET		
1	1	1	22	647.7917	BRACKET		
2	2	2	21	647.7916	BRACKET		
1	1	1	20	647.7915	BRACKET		
1	1	1	19	647.7914	BRACKET		
2	2	2	18	647.7913	DOUBLER		
4	4	4	17	647.7912	CLIP		
2	2	2	16	647.7911	BRACKET		
2	2	2	15	647.7910	ANGLE BRACKET		
4	4	4	14	647.0112	STRUT BRACKET		
1	1	1	13	647.1810	NOSE DOOR DOUBLER		
1	1	1	12	647.1818	NOSE DOOR SPACER		
2	2	2	11	647.7701	STRUT ASSY		
2	2	2	10	647.7702	STRUT ASSY		
1	1	1	9	647.1815	GUSSET, RH		
1	1	1	8	647.1814	GUSSET, LH		
1	1	1	7	647.1915	SUPPORT ANGLE		
1	1	1	6	647.1913	TEE		
1	1	1	5	647.1610	WIPER DEFLECTOR, FWD		
1	1	1	4	647.1601	WIPER DEFLECTOR ASSY, AFT		
			3	647.1701	SKID DEFLECTOR ASSY		
1	1	1	2	647.7501	LOWER CUTTER ASSY		
			1	647.7401	UPPER CUTTER ASSY		
X				647.7307	EC135 T3/P3 CABLE CUTTERS KIT		
				647.7306	T2/P2 REMOVABLE PROVISIONS KIT		
				647.7305	T2/P2 FIXED PROVISIONS KIT		
				647.7304	EC135 T2/P2 CABLE CUTTERS KIT		
				647.7303	T1/P1 REMOVABLE PROVISIONS KIT		
				647.7302	T1/P1 FIXED PROVISIONS KIT		
				647.7301	EC135 T1/P1 CABLE CUTTERS KIT		
7307	7304	7301	FIND #	PART #	DESCRIPTION	MATL	SPEC

QTY	ORIGINAL DATE 11/24/09	DART AEROSPACE APICAL INDUSTRIES, INC. DBA DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA, 92081 (760)-724-5300
NEXT ASSY (S)	CHECKED DRAFTER	
	DRAWING APPROVAL DATE	
	CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE: CAGE CODE: 07M26 DWG. NO.: 647.7300 SCALE: NONE SHEET: 1 OF 8

Work Order ID 161370

Monday, May 15, 2017 8:02:15 AM

161370

Page 1

Item ID: 647.7301

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: EC135 T1/P1 Cable Cutters System

Stop

NS2

Start Date: 5/15/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 5/18/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

647.7300

C

MAY 30 2017

100

Document Control

0.00

MAY 15 2017

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 647.7301

CB

1706-01

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

United States Of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SR02307LA

This Certificate issued to

Apical Industries, Inc. dba Dart Aerospace
3030 Enterprise Court, Suite A
Vista, California 92081

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 27 of the Federal Aviation Regulations.*

* Certification basis set forth in Type Certificate Data Sheet H88EU.

Original Product Type Certificate Number: H88EU

Make: Eurocopter

Model: EC135 P1, T1, P2, T2, P2+, T2+, P3, T3

Description of Type Design Change: Installation of Apical Industries, Inc. Cable Cutters Kit in accordance with FAA approved Apical Industries, Inc. Master Document List MD135-2, Revision A, dated June 24, 2010, or later FAA approved revision.

Limitations and Conditions: This approval requires the inspections and overhaul schedules to be performed as mandated by Apical Industries, Inc.'s Instructions for Continued Airworthiness, ICA135-21, Revision N/C, dated January 13, 2010, or later FAA accepted revision.

This installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of this permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: December 03, 2009

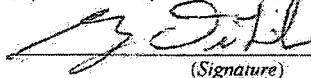
Date reissued: August 7, 2014

Date of issuance: July 14, 2010

Date amended: November 29, 2016



By direction of the Administrator


(Signature)

Gregory S. DiLibero
Manager, Airframe Branch
Los Angeles Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.